02010010,1740		(1ank 208 - NW	16)				
PERCENT FUEL	OPERATING DATA CONSUMPTION PER QUARTER		OPERATING SCHED	NULE			
DEC-FEB	25		HOURS/DAY	24			
R-MAY	25		DAYS/WEEK	7			
JUN-AUG	25		WEEKSYEAR				
SEP-NOV	25		WEEKS/TEAK	52			
	<u> </u>						
	POLLUTION CONTROL EQUI						
PARAMETER TYPE		PRIMARY		SEC	ONDARY		_
TYPE CODE (FRO	ALADD AV	N/A		<u></u>			J
·	•	<u></u>					
MANUFACTURER]
MODEL NUMBER]
PRESSURE DROP							
WET SCRUBBER	FLOW (GPM)						
BAGHOUSE AIR/C	LOTH RATIO (FPM)						
	VENTILATION AND BUILDING	(ADPA DATA		· ·			
ENCLOSED? (Y/N)				K DATA			_
HOOD TYPE (FROM		N/A	GROUND ELEVATION			N/A	<u> </u>
·	•		UTM X COORDINATE]
MINIMUM FLOW (A	•		UTM Y COORDINATE	(KM)]
PERCENT CAPTUR			STACK TYPE (SEE NO	TE BELOW)]
BUILDING HEIGHT	. ,		STACK EXIT HEIGHT F	ROM GROUND LEVEL (FT)]
BUILDING LENGTH			STACK EXIT DIAMETE	R (FT)			
BUILDING WIDTH (I	FT)		STACK EXIT GAS FLOW	WRATE (ACFM)			
			STACK EXIT TEMPERA	TURE (DEG. F)			
	AIR POLLUTANT EMISSIONS						
POLLUTANT	CAS NUMBER	EMISSION*	PERCENT	ESTIMATED OR	ALL OWAR	E EMISSIONS	
		FACȚOR (SEE NOTE	CONTROL EFFICIENCY	MEASURED			
		BELOW)	ET POLITO	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
. м-10							
SO2							
co							
NOx							
VOC				3.2E+00			
LEAD							<u> </u>
2,2,4 TMP	540-84-1			1.0E-02			
BENZENE	71-43-2			1.3E-02			
BIPHENYL	92-52-4			0.0E+00	<u> </u>		
CRESOLS	1319-77-3						
CUMENE	98-82-8			0.0E+00	<u> </u>		
ETHYLBENZENE	100-41-4			9.9E-05			
N-HEXANE	110-54-3			1.0E-03	<u> </u>		
ALBE	1634-04-4			2.2E-02			
APHTHALENE				0.0E+00		<u> </u>	
	91-20-3			8.1E-05			
HENOL	108-95-2			0.0E+00			
TYRENE	100-42-5			6.5E-05			
OLUENE	108-88-3			1.6E-02			
YLENES	1330-20-7		<u> </u>	4.85.02			

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS DEQ USE ONLY DEQ STACK ID CODE DEQ PROCESS CODE DEQ PLANT ID CODE SECONDARY SCC PRIMARY SCC DEO BUILDING ID CODE DEQ SEGMENT CODE GENERAL INFORMATION PART A: Storage of petroleum products PROCESS CODE OR DESCRIPTION STACK DESCRIPTION Tank 209 (NWTC) BUILDING DESCRIPTION 1956 DATE INSTALLED OR LAST MODIFIED GENERAL TANK AND MATERIAL HANDLING DATA Gasoline MATERIAL DESCRIPTION 69,407,016 ANNUAL THROUGHPUT (GALLONS) TANK CAPACITY (GALLONS) 924,000 SOURCE TANK TYPE PLEASE CHOOSE FROM BELOW PLEASE CHOOSE FROM BELOW (01) PIPELINE; (01) FIXED ROOF; (02) FLOATING ROOF (OR INTERNAL COVER); (02) RAIL CAR; (03) TANK TRUCK: (03) VARIABLE VAPOR SPACE; (04) PRESSURE TANK; (04) SHIP BARGE (05) OTHER (05) UNDERGROUND - SPLASH LOADING (06) OTHER ADDITIONAL VAPOR PHASE DEGREASING DATA TANK SURFACE AREA (SQ. FT) MANUFACTURER OF DEGREASING AGENT METHOD OF VAPOR RECOVERY TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F) Please choose from below (01) Incineration; (02) Refrigerated Liquid Scrubber, (03) Refrigerated Condenser, (04) Carbon Adsorption; (05) Vapor Return System (06) No Recovery System; (07) Other ADDITIONAL MATERIAL HANDLING DATA NUMBER OF IN-LINE NUMBER OF COMPRESSOR NUMBER OF PHYSICAL STATE SEALS VALVES PUMP SEALS (SEE NOTE BELOW) NUMBER OF SAMPLING NUMBER OF OPEN-ENDED NUMBER OF NUMBER OF SAFETY CONNECTIONS LINES FLANGES RELIEF VALVES MATERIAL DATA HAP FRACTION IN HAP CAS HAP DESCRIPTION MATERIAL BY WEIGHT NUMBER 0.00E+00 540-84-1 2,2,4 TMP 1.29E-02 71-43-2 Benzene 0.00E+00 92-52-4 Biphenyl 1.50E-03 1319-77-3 Cresols 9.26E-03 98-82-8 Cumene 1.34E-02 100-41-4 Ethylbenzene 7.80E-04 110-54-3 Hexane 0.00E+00 1634-04-4 MTBE

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

Napthalene

Phenol

Styrene

Toluene

Xylenes

91-20-3

108-95-2

100-42-5

108-88-3

1330-20-7

1.97E-02

5.25E-02

4.91E-02

0.00E+00

0.00E+00

^{**} Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions

SECTION 5, PART I		(Tank 209 - NWTC	>)				
DEDOCAT CITE CO	OPERATING DATA ONSUMPTION PER QUARTER						
DEC-FEB			OPERATING SCHED				
MAR-MAY	25		HOURS/DAY	24			
	25		DAYS/WEEK	7			
JUN-AUG SEP-NOV	25		WEEKS/YEAR	52			
SEP-NOV	25						
	POLLUTION CONTROL EQUI	PMENT					
PARAMETER		PRIMARY		SECO	NDARY		
TYPE		N/A]
TYPE CODE (FROM	IAPP. A)						_
MANUFACTURER]
MODEL NUMBER]
PRESSURE DROP (I				<u></u>			
WET SCRUBBER FL	•			<u></u>			
BAGHOUSE AIR/CLC	OTH RATIO (FPM)						
	VENTE ATION AND BUILDING	/AREA DATA	STAC	CK DATA			
ENCLOSED? (Y/N)		N/A	GROUND ELEVATION			INI/A	1
HOOD TYPE (FROM:	(APP. B)		UTM X COORDINATE			N/A	j 1
MINIMUM FLOW (ACI	·		UTIMY COORDINATE			<u> </u>	j 1
PERCENT CAPTURE	•		STACK TYPE (SEE NO] 1
BUILDING HEIGHT (F				FROM GROUND LEVEL (FT)		<u> </u>] 1
BUILDING LENGTH (I			STACK EXIT DIAMETE		•		} ì
BUILDING WIDTH (FT	-		STACK EXIT GAS FLO				<i>[</i> [
	•	L	011011 2.11 0.1C	MRATE (ACEM)		<u> </u>	ļ
			STACK EXIT TEMPERA	ATTIPE (DEC. E)		i i	ş.
			STACK EXIT TEMPER	ATURE (DEG. F)			İ
POLLEITANT	AIR POLLUTANT EMISSIONS	- ANCAIONE					İ
POLLUTANT	AIR POLLUTANT EMISSIONS CAS NUMBER	EMISSION* FACTOR	PERCENT CONTROL	ATURE (DEG. F) ESTIMATED OR MEASURED	ALLOWABL	E EMISSIONS	
POLLUTANT			PERCENT	ESTIMATED OR MEASURED EMISSIONS	ALLOWABLI (LBS:HR)	E EMISSIONS (TONS/YR)	REFERENCE
POLLUTANT		FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED			REFERENCE
		FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS			REFERENCE
РМ		FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS			REFERENCE
PM PM-10		FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS			REFERENCE
PM PM-10 SO2		FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS			REFERENCE
PM PM-10 SO2 CO		FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)			REFERENCE
PM PM-10 SO2 CO NOx		FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS			REFERENCE
PM PM-10 SO2 CO NOx VOC		FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS:HR) 3.2E+00			REFERENCE
PM PM-10 SO2 CO NOx VOC LEAD	CAS NUMBER	FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS:HR) 3.2E+00 1.0E-02			REFERENCE
PM PM-10 SO2 CO NOx VOC LEAD 2.2.4 TMP	CAS NUMBER 540-84-1	FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS/HR) 3.2E+00 1.0E-02			REFERENCE
PM PM-10 SO2 CO NOx VOC LEAD 2,2,4 TMP BENZENE	CAS NUMBER 540-84-1 71-43-2	FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS/HR) 3.2E+00 1.0E-02 1.3E-02			REFERENCE
PM PM-10 SO2 CO NOX VOC LEAD 2.2.4 TMP BENZENE BIPHENYL	540-84-1 71-43-2 92-52-4	FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS/HR) 3.2E+00 1.0E-02 1.3E-02 0.0E+00			REFERENCE
PM PM-10 SO2 CO NOx VOC LEAD 2.2.4 TMP BENZENE BIPHENYL CRESOLS	540-84-1 71-43-2 92-52-4 1319-77-3	FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS/HR) 3.2E+00 1.0E-02 1.3E-02 0.0E+00 9.9E-05			REFERENCE
PM PM-10 SO2 CO NOX VOC LEAD 2.2.4 TMP BENZENE BIPHENYL CRESOLS CUMENE	540-84-1 71-43-2 92-52-4 1319-77-3 98-82-8	FACTOR (SEE NOTE	PERCENT CONTROL	### STIMATED OR MEASURED EMISSIONS (LBS:HR)			REFERENCE
PM PM-10 SO2 CO NOX VOC LEAD 2,2,4 TMP BENZENE BIPHENYL CRESOLS CUMENE ETHYLBENZENE	540-84-1 71-43-2 92-52-4 1319-77-3 98-82-8 100-41-4	FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS:HR) 3.2E+00 1.0E-02 1.3E-02 0.0E+00 9.9E-05 1.0E-03 2.2E-02			REFERENCE
PM PM-10 SO2 CO NOX VOC LEAD 2.2.4 TMP BENZENE BIPHENYL CRESOLS CUMENE ETHYLBENZENE N-HEXANE	540-84-1 71-43-2 92-52-4 1319-77-3 98-82-8 100-41-4 110-54-3 1634-04-4	FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS/HR) 3.2E+00 1.0E-02 1.3E-02 0.0E+00 9.9E-05 1.0E-03 2.2E-02			REFERENCE
PM PM-10 SO2 CO NOX VOC LEAD 2.2.4 TMP BENZENE BIPHENYL CRESOLS CUMENE ETHYLBENZENE N-HEXANE MTBE	540-84-1 71-43-2 92-52-4 1319-77-3 98-82-8 100-41-4 110-54-3 1634-04-4 91-20-3	FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS/HR) 3.2E+00 1.0E-02 1.3E-02 0.0E+00 9.9E-05 1.0E-03 2.2E-02 0.0E+00 8.1E-05			REFERENCE
PM PM-10 SO2 CO NOX VOC LEAD 2.2.4 TMP BENZENE BIPHENYL CRESOLS CUMENE ETHYLBENZENE N-HEXANE MTBE NAPHTHALENE PHENOL	540-84-1 71-43-2 92-52-4 1319-77-3 98-82-8 100-41-4 110-54-3 1634-04-4 91-20-3 108-95-2	FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS/HR) 3.2E+00 1.0E-02 1.3E-02 0.0E+00 9.9E-05 1.0E-03 2.2E-02 0.0E+00 8.1E-05 0.0E+00			REFERENCE
PM PM-10 SO2 CO NOX VOC LEAD 2,2,4 TMP BENZENE BIPHENYL CRESOLS CUMENE ETHYLBENZENE N-HEXANE MTBE NAPHTHALENE PHENOL STYRENE	540-84-1 71-43-2 92-52-4 1319-77-3 98-82-8 100-41-4 110-54-3 1634-04-4 91-20-3 108-95-2 100-42-5	FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS/HR) 3.2E+00 1.0E-02 1.3E-02 0.0E+00 9.9E-05 1.0E-03 2.2E-02 0.0E+00 8.1E-05 0.0E+00 6.5E-05			REFERENCE
PM PM-10 SO2 CO NOX VOC LEAD 2.2.4 TMP BENZENE BIPHENYL CRESOLS CUMENE ETHYLBENZENE N-HEXANE MTBE NAPHTHALENE PHENOL	540-84-1 71-43-2 92-52-4 1319-77-3 98-82-8 100-41-4 110-54-3 1634-04-4 91-20-3 108-95-2	FACTOR (SEE NOTE	PERCENT CONTROL	ESTIMATED OR MEASURED EMISSIONS (LBS/HR) 3.2E+00 1.0E-02 1.3E-02 0.0E+00 9.9E-05 1.0E-03 2.2E-02 0.0E+00 8.1E-05 0.0E+00			REFERENCE

DEQ USE ONLY						
DEQ PLANT ID CODE	DEQ PROCESS CODE			DEQ STACK ID CODE] (
DEQ BUILDING ID CODE	PRIMARY SCC		\$	SECONDARY SCC]
DEQ SEGMENT CODE						
PART A: GENERAL INFORMATION						1
PROCESS CODE OR DESCRIPTION	Storage of petroleum p	roducts) 1
STACK DESCRIPTION	N/A					
BUILDING DESCRIPTION	Tank A201 (NWTC)					j
DATE INSTALLED OR 1994 LAST MODIFIED						
GENERAL TANK AND MATERIAL HANDLI	NG DATA					
MATERIAL DESCRIPTION Fuel Additive						
TANK CAPACITY (GALLONS) 14,700	ANNUAL THROUGHPUT (G	GALLONS)	126,000			
TANK TYPE 01 PLEASE CHOOSE FROM BELOW (01) FIXED ROOF; (02) FLOATING ROOF (OR INTERNAL COVER); (03) VARIABLE VAPOR SPACE; (04) PRESSURE TANK;		SOURCE PLEASE CHOOS (01) PIPELINE; (02) RAIL CAR; (03) TANK TRUG (04) SHIP BARG	CK;]
(05) UNDERGROUND - SPLASH LOADING (06) OTHER		(30) 5				
The state of the s	C DATA					
ADDITIONAL VAPOR PHASE DEGREASING	IS DATA			TANK SURFACE AREA (S	SQ. FT)	
MANUFACTURER OF DEGREASING AGENT IN TANK (DEG.	F)		ĺ	METHOD OF VAPOR REC Please choose from below (01) Incineration; (02) Refrigerated Liquid S (03) Refrigerated Conden (04) Carbon Adsorption; (05) Vapor Return System (06) No Recovery System (07) Other	COVERY Scrubber; sser; n;	
ADDITIONAL MATERIAL HANDLING DATA	<u>A</u>					
PHYSICAL STATE (SEE NOTE BELOW) NUMBER OF SAFETY RELIEF VALVES **	NUMBER OF PUMP SEALS NUMBER OF FLANGES	**	NUMBER OF OPEN	**	NUMBER OF IN-LIN VALVES NUMBER OF SAMF CONNECTIONS	**
MATERIAL DATA					•	
HAP DESCRIPTION			HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGH	
Cumene			98-82-8		2.00E-02	
Xylene			1330-20-7		5.00E-02]
	CUT IN LICENSE I CONT					

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PART B	(Tank A201 - NWTC)					
OPERATING DATA						
PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE				
DEC-FEB 25		HOURS/DAY	24			
MAR-MAY 25		DAYSWEEK	7			
JUN-AUG 25		WEEKS/YEAR	52			
SEP-NOV 25						
POLLUTION CONTROL EQUIPMENT						
PARAMETER	PRIMARY		SECONDARY			
TYPE	N/A					
TYPE CODE (FROM APP. A)]		
MANUFACTURER				-		
MODEL NUMBER						
PRESSURE DROP (IN. OF WATER)				}		
WET SCRUBBER FLOW (GPM)]		
BAGHOUSE AIR/CLOTH RATIO (FPM)]		
VENTILATION AND BUILDING/AREA	DATA	DTACK DATA				
	N/A	STACK DATA				
ENCLOSED? (Y/N) HOOD TYPE (FROM APP. B)	IN/A	GROUND ELEVATION (FT)			N/A	
MINIMUM FLOW (ACFM)		UTM X COORDINATE (KM)				
PERCENT CAPTURE EFFICIENCY		UTM Y COORDINATE (KM)	0141)			
BUILDING HEIGHT (FT)		STACK TYPE (SEE NOTE BELC STACK EXIT HEIGHT FROM GI				
BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)	ROUND LEVEL (F1)			
BUILDING WIDTH (FT)		STACK EXIT GAS FLOWRATE	/ACEM			
		STACK EXIT TEMPERATURE (
		STACK EXIT TEMPERATURE (L	
AIR POLLUTANT EMISSIONS						
POLLUTANT CAS NUMBER	EMISSION* FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED	ALLOWABLE	EMISSIONS	
	(SEE NOTE	EFFICIENCY	EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
	BELOW)		(LBS/HR)			· · · · · · · · · · · · · · · · · · ·
PM-10	<u></u> j					
SO2						
co						
NOx						
VOC			1.9E-03			
LEAD						
CUMENE 98-82-8			6.6E-05			

XYLENES

1330-20-7

3.0E-04

DEQ USE ONLY				, . ,		
DEQ PLANT ID CODE	DEQ PROCESS CODE			DEQ STACK ID CODE		□ (
DEQ BUILDING ID CODE	PRIMARY SCC			SECONDARY SCC		
DEQ SEGMENT CODE						
PART A: GENERAL INFORMATION						
PROCESS CODE OR DESCRIPTION	Storage of petroleum	products				
STACK DESCRIPTION	N/A]
BUILDING DESCRIPTION	Tank A202 (NWTC)					
DATE INSTALLED OR 1994 LAST MODIFIED						
GENERAL TANK AND MATERIAL HANDL	ING DATA					
MATERIAL DESCRIPTION Fuel Additive						
TANK CAPACITY (GALLONS) 8,000	ANNUAL THROUGHPUT ((GALLONS)	126,000]		
TANK TYPE 01 PLEASE CHOOSE FROM BELOW (01) FIXED ROOF; (02) FLOATING ROOF (OR INTERNAL COVER); (03) VARIABLE VAPOR SPACE; (04) PRESSURE TANK; (05) UNDERGROUND - SPLASH LOADING (06) OTHER ADDITIONAL VAPOR PHASE DEGREASIN MANUFACTURER OF DEGREASING AGENT IN TANK (DEG.		SOURCE PLEASE CHOO (01) PIPELINE; (02) RAIL CAR (03) TANK TRI (04) SHIP BAR (05) OTHER	; JCK; GE;	TANK SURFACE AREA (S METHOD OF VAPOR REF Please choose from below (01) Incineration; (02) Refrigerated Liquid S (03) Refrigerated Conder (04) Carbon Adsorption; (05) Vapor Return Syster	COVERY v Scrubber, nser,	
				(06) No Recovery System (07) Other		
ADDITIONAL MATERIAL MANDENIC DATA				· · · · · · · · · · · · · · · · · · ·		
ADDITIONAL MATERIAL HANDLING DATA PHYSICAL STATE	NUMBER OF		NUMBER OF COMP	RESSOR	NUMBER OF IN-LIP	NF
(SEE NOTE BELOW)	PUMP SEALS	**		**	VALVES	**
NUMBER OF SAFETY	NUMBER OF	**	NUMBER OF OPEN-	ENDED **	NUMBER OF SAME	PLING
RELIEF VALVES	FLANGES	. []	LINES [CONNECTIONS	
MATERIAL DATA						
HAP DESCRIPTION			HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGI	
Cumene			98-82-8		2.00E-02	
Xylene			1330-20-7		4.00E-02]
MOTE PURCOUNT STATE AND ADOD LIGHT LANDOUR ME	NET IN LIE AND LICHT					

SECTION 5, PART B	(Tank A202 - NWTC)	
OPERATING DATA		
PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE
DEC-FEB 25	•	HOURS/DAY 24
MAR-MAY 25		DAYS/WEEK 7
JUN-AUG 25		WEEKS/YEAR 52
SEP-NOV 25		
POLLUTION CONTROL EQUIPMEN	NT	
PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		
		<u> </u>
VENTILATION AND BUILDING/ARE		STACK DATA
ENCLOSED? (Y/N)	N/A	GROUND ELEVATION (FT)
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (KM)
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW)
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)
BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)
BUILDING WIDTH (FT)		STACK EXIT GAS FLOWRATE (ACFM)
	•	STACK EXIT TEMPERATURE (DEG. F)
AIR POLLUTANT EMISSIONS		
POLLUTANT CAS NUMBER	EMISSION*	PERCENT ESTIMATED OR ALLOWABLE EMISSIONS
	FACTOR (SEE NOTE	CONTROL MEASURED EFFICIENCY EMISSIONS (LBS/HR) (TONS/YR) REFERENCE
	BELOW)	(LBS/HR)
PM		
PM-10		
SO2		
со		
NOx		
voc		1.6E-03
LEAD		
CUMENE 98-82-8		5.4E.05

1330-20-7

XYLENES

2.0E-04

DEQ USE ONLY						
DEQ PLANT ID CODE	DEQ PROCESS CODE		1	DEQ STACK ID CODE		<u> </u>
DEQ BUILDING ID CODE	PRIMARY SCC		:	SECONDARY SCC		j
DEQ SEGMENT CODE						
PART A: GENERAL INFORMATION						1
PROCESS CODE OR DESCRIPTION	Storage of petroleum p	roducts				1
STACK DESCRIPTION	N/A					} 1
BUILDING DESCRIPTION	Tank A203 (NWTC)					j
DATE INSTALLED OR 1994 LAST MODIFIED						
GENERAL TANK AND MATERIAL HANDLII	NG DATA					
MATERIAL DESCRIPTION Fuel Additive]				
TANK CAPACITY (GALLONS) 3,000	ANNUAL THROUGHPUT (G	GALLONS)	126,000			
TANK TYPE 01 PLEASE CHOOSE FROM BELOW (01) FIXED ROOF; (02) FLOATING ROOF (OR INTERNAL COVER); (03) VARIABLE VAPOR SPACE; (04) PRESSURE TANK;		SOURCE PLEASE CHOOS (01) PIPELINE; (02) RAIL CAR; (03) TANK TRUC (04) SHIP BARG	CK;			٦
(05) UNDERGROUND - SPLASH LOADING		(05) OTHER]
(06) OTHER		,				
ADDITIONAL VAPOR PHASE DEGREASIN	G DATA					
MANUFACTURER OF DEGREASING AGENT				TANK SURFACE AREA (SQ. FT)	
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG.	F)			METHOD OF VAPOR RE Please choose from belov (01) Incineration; (02) Refrigerated Liquid (03) Refrigerated Conde (04) Carbon Adsorption; (05) Vapor Return Syster (06) No Recovery Syster (07) Other	v Scrubber, nser, m;	
ADDITIONAL MATERIAL HANDLING DATA	1					
PHYSICAL STATE (SEE NOTE BELOW) NUMBER OF SAFETY RELIEF VALVES ##	NUMBER OF PUMP SEALS NUMBER OF FLANGES	**	NUMBER OF OPEN	**	NUMBER OF IN-LIN VALVES NUMBER OF SAMP CONNECTIONS	**
MATERIAL DATA						
HAP DESCRIPTION			HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGI	
Ethylbenzene			100-41-4		8.00E-02]
Xylene			1330-20-7		3.80E-01]

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PART B	(Tank A203 - NWTC)	
OPERATING DATA		
PERCENT FUEL CONSUMPTION PER QUARTER	OPERATING SCHEDULE	
DEC-FEB 25	HOURS/DAY 24	
MAR-MAY 25	DAYS/WEEK 7	
JUN-AUG 25	WEEKS/YEAR 52	
SEP-NOV 25		
BOLL HTION CONTROL TO WAR		•
POLLUTION CONTROL EQUIPMENT PARAMETER	DDIMADY	
TYPE	N/A SECONDARY	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		
VENTILATION AND BUILDING/AREA		
	N/A GROUND ELEVATION (FT)	I/A
HOOD TYPE (FROM APP. B)	UTM X COORDINATE (KM)	
MINIMUM FLOW (ACFM)	UTM Y COORDINATE (KM)	
PERCENT CAPTURE EFFICIENCY	STACK TYPE (SEE NOTE BELOW)	
BUILDING HEIGHT (FT)	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
BUILDING LENGTH (FT)	STACK EXIT DIAMETER (FT)	
BUILDING WIDTH (FT)	STACK EXIT GAS FLOWRATE (ACFM)	
	STACK EXIT TEMPERATURE (DEG. F)	
AIR POLLUTANT EMISSIONS		
POLLUTANT CAS NUMBER	EMISSION* PERCENT ESTIMATED OR ALLOWABLE EMI	ISSIONS
	FACTOR CONTROL MEASURED	
_	BELOW) (LBS/HR) ((TONS/YR) REFERENCE
PM		
PM-10		
SO2		
со		
NOx		==
voc	1.1E-03	=
LEAD		
ETHYLBENZENE 100-41-4	3.45.04	

1330-20-7

XYLENES

1.3E-04

DEQ USE ONLY							(
DEQ PLANT ID CODE		DEQ PROCESS CODE			DEQ STACK ID CODE		(
DEQ BUILDING ID CODE		PRIMARY SCC		\$	SECONDARY SCC		
DEQ SEGMENT CODE							
PART A: GENERAL INF	ORMATION						
PROCESS CODE OR DESCRIP	PTION	Storage of petroleum p	roducts				
STACK DESCRIPTION		N/A					
BUILDING DESCRIPTION		Tank A204 (NWTC)			,		
DATE INSTALLED OR LAST MODIFIED	1994						
GENERAL TA	NK AND MATERIAL HANDLII	NG DATA					
MATERIAL DESCRIPTION	Fuel Additive]				
TANK CAPACITY (GALLONS)	8,000	ANNUAL THROUGHPUT (G	ALLONS)	126,000			
TANK TYPE PLEASE CHOOSE FROM BEL. (01) FIXED ROOF; (02) FLOATING ROOF (OR IN (03) VARIABLE VAPOR SPAC (04) PRESSURE TANK;	01 OW ITERNAL COVER); DE;		SOURCE PLEASE CHOOSE (01) PIPELINE; (02) RAIL CAR; (03) TANK TRUC (04) SHIP BARG	: к;			1
(05) UNDERGROUND - SPLA	ASH LOADING		(05) OTHER	<u> </u>			
(06) OTHER							
ADDITIONAL	VAPOR PHASE DEGREASIN	G DATA				- 100 FT	
MANUFACTURER OF DEGRE	ASING AGENT				TANK SURFACE ARE		
TEMPERATURE OF DEGREA	SING AGENT IN TANK (DEG.	F) .			METHOD OF VAPOR Please choose from b (01) Incineration; (02) Refrigerated Liq (03) Refrigerated Co (04) Carbon Adsorpti (05) Vapor Return S (06) No Recovery Sy (07) Other	elow uid Scrubber; ndenser; ion; ystem;	
ADDITIONAL	MATERIAL HANDLING DATA	<u> </u>					
PHYSICAL STATE (SEE NOTE BELOW) NUMBER OF SAFETY RELIEF VALVES	H	NUMBER OF PUMP SEALS NUMBER OF FLANGES	**	NUMBER OF COMP SEALS NUMBER OF OPEN- LINES	**	NUMBER OF IN-LIN VALVES NUMBER OF SAMP CONNECTIONS	**
MATERIAL D	<u>ATA</u>			HAP CAS NUMBER	1	HAP FRACTION IN MATERIAL BY WEIGH 1.50E-02	ना •
Naphthalene				91-20-3	J	7.50E-02	J
NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LI	GHT; H) HEAVY LIGHT					

** Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

Tier I Permit Application Renewal - Boise Terminal

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SECTION 5, PART B	(Tank A204 - NWTC)					
<u>OPERATING DATA</u> PERCENT FUEL CONSUMPTION PER QUARTER						
DEC-FEB 25		OPERATING SCHEDULE HOURS/DAY				
MAR-MAY 25		DAYSWEEK	7			
JUN-AUG 25		WEEKS/YEAR				
SEP-NOV 25		WEERS/TEAR	52			
20						,
POLLUTION CONTROL EQUIPMEN	_					
PARAMETER TYPE	PRIMARY N/A		SECOND	ARY		Ī
TYPE CODE (FROM APP, A)	INA		<u> </u>			ļ
MANUFACTURER			<u> </u>			1
MODEL NUMBER			<u> </u>			
PRESSURE DROP (IN. OF WATER)			<u> </u>			
WET SCRUBBER FLOW (GPM)			<u></u>			
BAGHOUSE AIR/CLOTH RATIO (FPM)						
			<u> </u>			
VENTILATION AND BUILDING/AREA	A DATA	STACK DAT	<u></u>			
ENCLOSED? (Y/N)	N/A	GROUND ELEVATION (FT)			N/A	
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (KM)				
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)				
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BE	ELOW)			
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM	GROUND LEVEL (FT)			
BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)				
BUILDING WIDTH (FT)		STACK EXIT GAS FLOWRAT	TE (ACFM)			
		STACK EXIT TEMPERATURE	E (DEG. F)			
AIR POLLUTANT EMISSIONS						
POLLUTANT CAS NUMBER	EMISSION*	PERCENT	ESTIMATED OR	ALLOWABLE	EMISSIONS	
	FACTOR (SEE NOTE	CONTROL EFFICIENCY	MEASURED EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
	BELOW)		(LBS/HR)		(10110111)	THE ENERGE
PM						
PM-10						
SO2						
со						
NOx						
voc			1.5E-03			
LEAD						
NAPHTHALENE 91-20-3			1.9E-06			7

1.9E-06

DEQ USE ONLY						(
DEQ PLANT ID CODE	DEQ PROCESS CODE			DEQ STACK ID CODE		<u> </u>
DEQ BUILDING ID CODE	PRIMARY SCC			SECONDARY SCC		j
DEQ SEGMENT CODE						
•						
PART A: GENERAL INFORMATION						1
PROCESS CODE OR DESCRIPTION	Storage of petroleum p	oroducts) 1
STACK DESCRIPTION	N/A					
BUILDING DESCRIPTION	Tank A205 (NWTC)					j
DATE INSTALLED OR 1995 LAST MODIFIED						
GENERAL TANK AND MATERIAL HANDLE	NG DATA					
MATERIAL DESCRIPTION Fuel Additive						
TANK CAPACITY (GALLONS) 600	ANNUAL THROUGHPUT (GALLONS)	42,000]		
TANK TYPE 01		SOURCE	03			
PLEASE CHOOSE FROM BELOW (01) FIXED ROOF;		PLEASE CHOOS (01) PIPELINE;	E FROM BELOW			
(02) FLOATING ROOF (OR INTERNAL COVER); (03) VARIABLE VAPOR SPACE;		(02) RAIL CAR; (03) TANK TRUG (04) SHIP BARG				
(04) PRESSURE TANK; (05) UNDERGROUND - SPLASH LOADING		(05) OTHER]
(06) OTHER						
ADDITIONAL VAPOR PHASE DEGREASIN	IG DATA					
MANUFACTURER OF DEGREASING AGENT				TANK SURFACE AREA	(SQ. FT)	
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG.	F)			METHOD OF VAPOR RE		
				Please choose from belo (01) Incineration:		
		*		(02) Refrigerated Liquid (03) Refrigerated Conde	enser,	
				(04) Carbon Adsorption (05) Vapor Return Syste	em;	
				(06) No Recovery Syste (07) Other	m;	
	•					
ADDITIONAL MATERIAL HANDLING DATA	4					
PHYSICAL STATE	NUMBER OF	**	NUMBER OF COMP	PRESSOR	NUMBER OF IN-LIN VALVES	##
(SEE NOTE BELOW)	PUMP SEALS NUMBER OF		SEALS NUMBER OF OPEN	L	NUMBER OF SAMP	LING
NUMBER OF SAFETY RELIEF VALVES ***	FLANGES	**	LINES	**		**
NELICIT VALVES		<u> </u>				
MATERIAL DATA					HAP FRACTION IN	
HAP DESCRIPTION			HAP CAS NUMBER		MATERIAL BY WEIGH	
Ethylbenzene			100-41-4]	1.35E-01	
Xylenes			1330-20-7]	6.50E-01	1

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PART E	1	(Tank A205 - NWTC)					
	OPERATING DATA						
	NSUMPTION PER QUARTER		OPERATING SCHEDULE				•
DEC-FEB	25		HOURS/DAY	24			
MAR-MAY	25		DAYSWEEK	7			
JUN-AUG	25		WEEKS/YEAR	52			
SEP-NOV	25						
	POLLUTION CONTROL EQUIPMENT						
PARAMETER		PRIMARY		SECONDAR	Y		
TYPE		N/A			·		1
TYPE CODE (FROM A	APP. A)				7		•
MANUFACTURER							1
MODEL NUMBER]
PRESSURE DROP (II	N. OF WATER)						1
WET SCRUBBER FLO	OW (GPM)				ī		
BAGHOUSE AIR/CLO	TH RATIO (FPM)				j		
	VENTILATION AND BUILDING/AREA	DATA	STACK DATA	A			
ENCLOSED? (Y/N)		N/A	GROUND ELEVATION (FT)			N/A	
HOOD TYPE (FROM A	PP.B)		UTM X COORDINATE (KM)				
MINIMUM FLOW (ACF	·M)		UTM Y COORDINATE (KM)				
PERCENT CAPTURE	EFFICIENCY		STACK TYPE (SEE NOTE BEL	LOW)			
BUILDING HEIGHT (FI	r)		STACK EXIT HEIGHT FROM O				
BUILDING LENGTH (F	T)		STACK EXIT DIAMETER (FT)	, ,			
BUILDING WIDTH (FT)	1		STACK EXIT GAS FLOWRATE	(ACFM)			
			STACK EXIT TEMPERATURE				
	AIR POLLUTANT EMISSIONS						
POLLUTANT	CAS NUMBER	EMISSION*	PERCENT	ESTIMATED OR	ALLOWABLE	EMICCIONC	
		FACTOR (SEE NOTE	CONTROL EFFICIENCY	MEASURED EMISSIONS			
	_	BELOW)	LITIOLITO	(LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2	[
со							
NOx	[一一	
voc	[3.5E-04			
LEAD							
ETHYLBENZENE	100-41-4			1.5E-04			
XYLENES	1330-20-7			5.05.04			

1330-20-7

5.9E-04

DEQ USE ONLY						 (
DEQ PLANT ID CODE	DEQ PROCESS CODE		1	DEQ STACK ID CODE		-
DEQ BUILDING ID CODE	PRIMARY SCC		:	SECONDARY SCC		
DEQ SEGMENT CODE						
PART A: GENERAL INFORMATION						
PROCESS CODE OR DESCRIPTION	Storage of petroleum pr	oducts				
STACK DESCRIPTION	N/A					
BUILDING DESCRIPTION	Tank A206 (NWTC)					
DATE INSTALLED OR 1995 LAST MODIFIED						
GENERAL TANK AND MATERIAL HANDLIN	IG DATA					
MATERIAL DESCRIPTION Fuel Additive]				
TANK CAPACITY (GALLONS) 3,000	ANNUAL THROUGHPUT (GA	ALLONS)	126,000			
TANK TYPE 01 PLEASE CHOOSE FROM BELOW (01) FIXED ROOF; (02) FLOATING ROOF (OR INTERNAL COVER); (03) VARIABLE VAPOR SPACE; (04) PRESSURE TANK; (05) UNDERGROUND - SPLASH LOADING		SOURCE PLEASE CHOOSE (01) PIPELINE; (02) RAIL CAR; (03) TANK TRUC (04) SHIP BARGE	: к ;			,
(06) OTHER						
ADDITIONAL VAPOR PHASE DEGREASING	G DATA					
MANUFACTURER OF DEGREASING AGENT				TANK SURFACE AREA (SO	Q. FT)	
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG.	F)			METHOD OF VAPOR REC Please choose from below (01) Incineration; (02) Refrigerated Liquid St (03) Refrigerated Condens (04) Carbon Adsorption; (05) Vapor Return System; (06) No Recovery System; (07) Other	crubber, ser, ;	
ADDITIONAL MATERIAL HANDLING DATA	.					
PHYSICAL STATE (SEE NOTE BELOW) NUMBER OF SAFETY RELIEF VALVES H	NUMBER OF PUMP SEALS NUMBER OF FLANGES	**	NUMBER OF COMP SEALS NUMBER OF OPEN LINES	**	NUMBER OF IN-LIN VALVES NUMBER OF SAMP CONNECTIONS	••
MATERIAL DATA					LIAD EDACTION IN	
HAP DESCRIPTION			HAP CAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGH	
None listed on MSDS.]]

Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

Tier I Permit Application Renewal - Boise Terminal

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	SECTION 5, PART B		(Tank A206 - NWTC)					
	DEDOCATE LIEU BOA	OPERATING DATA						
		SUMPTION PER QUARTER		OPERATING SCHEDULE				
	DEC-FEB	25		HOURS/DAY	24			
	MAR-MAY	25		DAYSWEEK	7			
	JUA-AUG	25		WEEKS/YEAR	52			
	SEP-NOV	25						
		POLLUTION CONTROL EQUIPMENT						
	PARAMETER		PRIMARY		SECONDA	1RY		
	TYPE		N/A					1
	TYPE CODE (FROM A	PP. A)						,
	MANUFACTURER							
	MODEL NUMBER							
	PRESSURE DROP (IN.	OF WATER)				7		1
	WET SCRUBBER FLO	W (GPM)			<u> </u>	=		
	BAGHOUSE AIR/CLOT	H RATIO (FPM)			<u> </u>	={		
					L			
		VENTILATION AND BUILDING/AREA	DATA	STACK DATA	<u>,</u>			
1	ENCLOSED? (Y/N)		N/A	GROUND ELEVATION (FT)			N/A	
ŀ	HOOD TYPE (FROM AF	PP. B)		UTM X COORDINATE (KM)				
,	MINIMUM FLOW (ACF	A)		UTM Y COORDINATE (KM)				
F	PERCENT CAPTURE É	FFICIENCY		STACK TYPE (SEE NOTE BEL	OW)			
E	BUILDING HEIGHT (FT)			STACK EXIT HEIGHT FROM G	ROUND LEVEL (FT)			
E	BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)				
E	BUILDING WIDTH (FT)	•		STACK EXIT GAS FLOWRATE	(ACFM)			
				STACK EXIT TEMPERATURE ((DEG. F)			
Р	OLLUTANT	NR POLLUTANT EMISSIONS CAS NUMBER	EMISSION*	PERCENT	FOTUL STREET			
			FACTOR	CONTROL	ESTIMATED OR MEASURED	ALLOWABLE	EMISSIONS	
		4	(SEE NOTE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
P	м							
P	M-10							
S	02							
C	o	Ĩ						
N	Ox	Ī						
V	ос	·			1.1E-03			
LE	EAD	Ī						
		Г	 -				!	

DEQ PLANT ID CODE DEQ PROCESS CODE DEQ STACK ID CODE DEQ BUILDING ID CODE PRIMARY SCC SECONDARY SCC DEQ SEGMENT CODE PART A: SENERAL INFORMATION PROCESS CODE OR DESCRIPTION Storage of petroleum products STACK DESCRIPTION N/A BUILDING DESCRIPTION Tank A207 (NWTC) DATE INSTALLED OR 1996 LAST MODIFIED GENERAL TANK AND MATERIAL HANDLING DATA MATERIAL DESCRIPTION Fuel Additive TANK CAPACITY (GALLONS) 8,000 ANNUAL THROUGHPUT (GALLONS) 126,000 TANK TYPE 011 PIELINE: (92) PRATE NOT STANK OR THE NOT STANK OR
DEQ SEGMENT CODE PART A: GENERALINFORMATION PROCESS CODE OR DESCRIPTION STACK DESCRIPTION DATE INSTALLED OR LAST MODIFIED GENERAL TANK AND MATERIAL HANDLING DATA MATERIAL DESCRIPTION GENERAL TANK AND MATERIAL HANDLING DATA MATERIAL DESCRIPTION TANK CAPACITY (GALLONS) 8,000 ANNUAL THROUGHPUT (GALLONS) 126,000 TANK TYPE 01 PLEASE CHOOSE FROM BELOW (01) PIPED NOCE: (02) FLOATING ROOF (OR INTERNAL COVER); (03) TANK TRUCK; (04) PIPESSURE TANK (04) SHIP BARGE; (05) UNDERGROUND - SPLASH LOADING (06) OTHER MANUFACTURER OF DEGREASING AGENT IN TANK (DEG. F) METHOD OF VAPOR RECOVERY Please choose from below (02) REGREATION OF VAPOR RECOVERY PROBLEM (03) REFIGERATION OF VAPOR RECOVERY PROBLEM (04) PIPES ARE COVERY PROBLEM (05) OTHER TANK SURFACE AREA (SO. FT) METHOD OF VAPOR RECOVERY PROBLEM (05) Refigerated Liquid Strubber; (02) Refigerated Liquid Strubber; (03) Refigerated Liquid Strubber; (03) Refigerated Liquid Strubber; (04) Refigerated Liquid Strubber; (05) Refigerated Liquid Strubber; (07) Refigerated Liquid Strubber; (08) Refigerated Liquid Strubber; (18) Refigerated Liquid Strubber; (18) R
PART A: GENERAL INFORMATION PROCESS CODE OR DESCRIPTION STACK DESCRIPTION DATE INSTALLED OR LAST MODIFIED GENERAL TANK AND MATERIAL HANDLING DATA MATERIAL DESCRIPTION TANK CAPACITY (CALLONS) 8,000 ANNUAL THROUGHPUT (CALLONS) 126,000 TANK TYPE 01 PLEASE CHOOSE FROM BELOW (01) PIPELNE; (02) FLOATING ROOF (OR INTERNAL COVER); (02) FLOATING ROOF (OR INTERNAL COVER); (03) TANK RICK; (04) PRESSURE TANK (05) UNDERGROUND - SPLASH LOADING MANUFACTURER OF DEGREASING AGENT MANUFACTURER OF DEGREASING AGENT IN TANK (DEG. F) METHOD OF VAPOR RECOVERY Please choose from below (02) REPERATION OF TANK SURFACE AREA (SO. FT) METHOD OF VAPOR RECOVERY Please choose from below (01) Inference in the properties of the propertie
PROCESS CODE OR DESCRIPTION STACK DESCRIPTION BUILDING DESCRIPTION Tank A207 (NWTC) DATE INSTALLED OR JENERAL TANK AND MATERIAL HANDLING DATA MATERIAL DESCRIPTION Fuel Additive TANK CAPACITY (GALLONS) ANNUAL THROUGHPUT (GALLONS) JENERAL TOWN BELOW (01) PIPELANS CHOOSE FROM BELOW (01) PIPELANS CHOOSE FROM BELOW (01) PIPELANS CHOOSE FROM BELOW (01) PIPEL ROOF; (02) PIAL CARR (03) VARIABLE VAPOR SPACE; (04) SHIP BARGE; (04) SHIP BARGE; (05) UNDERGROUND - SPLASH LOADING (06) OTHER ADDITIONAL VAPOR PHASE DEGREASING DATA MANUFACTURER OF DEGREASING AGENT IN TANK (DEG. F) METHOD OF VAPOR RECOVERY Please choose from below (01) Incheration; (02) Refrigerated Uquid Scrubber; (03) Refrigerated Uquid Scrubber; (04) Refrigerated Uquid Scrubber; (05) Refrigerated Uquid Scrubber; (06) Refrigerated Uquid Scrubber; (07) Refrigerated Uquid Scrubber; (07) Refrigerated Uquid Scrubber; (08) Refrigerated Uquid Scrubber; (07) Refrigerated Uquid Scrubber; (08) Refrigerated Uquid Scrubber; (07) Refrigerated Uquid Scrubber; (08) Refrigerated Uquid Scrubber; (09) Refrigerate
PROCESS CODE OR DESCRIPTION STACK DESCRIPTION BUILDING DESCRIPTION Tank A207 (NWTC) DATE INSTALLED OR JENERAL TANK AND MATERIAL HANDLING DATA MATERIAL DESCRIPTION Fuel Additive TANK CAPACITY (GALLONS) ANNUAL THROUGHPUT (GALLONS) JENERAL TOWN BELOW (01) PIPELANS CHOOSE FROM BELOW (01) PIPELANS CHOOSE FROM BELOW (01) PIPELANS CHOOSE FROM BELOW (01) PIPEL ROOF; (02) PIAL CARR (03) VARIABLE VAPOR SPACE; (04) SHIP BARGE; (04) SHIP BARGE; (05) UNDERGROUND - SPLASH LOADING (06) OTHER ADDITIONAL VAPOR PHASE DEGREASING DATA MANUFACTURER OF DEGREASING AGENT IN TANK (DEG. F) METHOD OF VAPOR RECOVERY Please choose from below (01) Incheration; (02) Refrigerated Uquid Scrubber; (03) Refrigerated Uquid Scrubber; (04) Refrigerated Uquid Scrubber; (05) Refrigerated Uquid Scrubber; (06) Refrigerated Uquid Scrubber; (07) Refrigerated Uquid Scrubber; (07) Refrigerated Uquid Scrubber; (08) Refrigerated Uquid Scrubber; (07) Refrigerated Uquid Scrubber; (08) Refrigerated Uquid Scrubber; (07) Refrigerated Uquid Scrubber; (08) Refrigerated Uquid Scrubber; (09) Refrigerate
STACK DESCRIPTION BUILDING DESCRIPTION Tank A207 (NWTC) GENERAL TANK AND MATERIAL HANDLING DATA MATERIAL DESCRIPTION Fuel Additive TANK CAPACITY (GALLONS) ANNUAL THROUGHPUT (GALLONS) TANK TYPE 01 PLEASE CHOOSE FROM BELOW (01) FIXED ROOP; (02) FLOATING ROOP (OR INTERNAL COVER); (03) VARIABLE VAPOR SPACE; (04) SHIP BARGE; (05) UNDERGROUND - SPLASH LOADING (06) OTHER ADDITIONAL VAPOR PHASE DEGREASING DATA MANUFACTURER OF DEGREASING AGENT TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F) METHOD OF VAPOR RECOVERY Please choose from below (01) Inchieration (02) Refigerated Liquid Scrubber; (03) Refigerated Liquid Scrubber; (03) Refigerated Liquid Scrubber; (03) Refigerated Liquid Scrubber; (04) Refigerated Liquid Scrubber; (05) Refigerated Liquid Scrubber;
BUILDING DESCRIPTION Tank A207 (NWTC) GENERAL TANK AND MATERIAL HANDLING DATA MATERIAL DESCRIPTION GENERAL TANK AND MATERIAL HANDLING DATA MATERIAL DESCRIPTION TANK CAPACITY (GALLONS) 8,000 ANNUAL THROUGHPUT (GALLONS) 126,000 TANK TYPE 01 SOURCE 03 PLEASE CHOOSE FROM BELOW (01) FIVED ROOF; (02) FRIAL CAR; (03) VARIABLE VAPOR SPACE; (03) TANK TRUCK; (04) SHIP BARGE; (04) SHIP BARGE; (05) UNDERGROUND - SPLASH LOADING (06) OTHER MANUFACTURER OF DEGREASING AGENT TANK SURFACE AREA (SQ. FT) METHOD OF VAPOR RECOVERY Please choose from below (07) Incineration; (08) Refigerated Liquid Scrubber; (08) Refigerated Condenser,
DATE INSTALLED OR 1996 GENERAL TANK AND MATERIAL HANDLING DATA MATERIAL DESCRIPTION FUEL Additive TANK CAPACITY (GALLONS) 8,000 ANNUAL THROUGHPUT (GALLONS) 126,000 TANK TYPE 01 SOURCE 03 PLEASE CHOOSE FROM BELOW (01) FINED ROOF; (02) FRAIT ROOF; (02) FRAIT ROOF; (03) ANAIABLE VAPOR SPACE; (03) ANAIABLE VAPOR SPACE; (04) SHIP BARGE; (04) SHIP BARGE; (05) UNDERGROUND - SPLASH LOADING (06) OTHER ADDITIONAL VAPOR PHASE DEGREASING DATA MANUFACTURER OF DEGREASING AGENT TO TANK (DEG. F) TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F) METHOD OF VAPOR RECOVERY Please choose from below (01) incineration; (02) Refrigerated Child Scrubber; (03) Refrigerated Condenser;
GENERAL TANK AND MATERIAL HANDLING DATA MATERIAL DESCRIPTION Fuel Additive TANK CAPACITY (GALLONS) 8,000 ANNUAL THROUGHPUT (GALLONS) 126,000 TANK TYPE 01 SOURCE 03 PLEASE CHOOSE FROM BELOW (01) PIPELINE; (02) RAIL CAR; (02) FLOATING ROOF (OR INTERNAL COVER); (02) RAIL CAR; (03) YARIABLE VAPOR SPACE; (03) YARIABLE VAPOR SPACE; (04) SHIP BARGE; (05) UNDERGROUND - SPLASH LOADING (05) OTHER MANUFACTURER OF DEGREASING AGENT (05) TANK (DEG. F) TANK SURFACE AREA (SQ. FT) METHOD OF VAPOR RECOVERY Please choose from below (01) incineration; (02) Refrigerated Liquid Scrubber; (03) Refrigerated Liquid Scrubber; (03) Refrigerated Condenser;
MATERIAL DESCRIPTION Fuel Additive
TANK CAPACITY (GALLONS) 8,000 ANNUAL THROUGHPUT (GALLONS) 126,000 TANK TYPE 01 SOURCE 03 PLEASE CHOOSE FROM BELOW (01) PIPELINE; (02) FLOATING ROOF (OR INTERNAL COVER); (02) RAIL CAR; (03) VARIABLE VAPOR SPACE; (03) YANK TRUCK; (04) PRESSURE TANK; (05) UNDERGROUND - SPLASH LOADING (05) OTHER ADDITIONAL VAPOR PHASE DEGREASING DATA MANUFACTURER OF DEGREASING AGENT TANK (DEG. F) METHOD OF VAPOR RECOVERY Please choose from below (01) Incineration; (02) Refrigerated Liquid Scrubber; (03) CREfrigerated Liquid Scrubber; (03) Refrigerated Condenser,
TANK TYPE 01 PLEASE CHOOSE FROM BELOW (01) PIPELINE; (02) FLOATING ROOF; (01) PIPELINE; (02) RAIL CAR; (03) VARIABLE VAPOR SPACE; (04) SHIP BARGE; (05) UNDERGROUND - SPLASH LOADING (05) OTHER ADDITIONAL VAPOR PHASE DEGREASING DATA MANUFACTURER OF DEGREASING AGENT TANK (DEG. F) TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F) SOURCE 03 PLEASE CHOOSE FROM BELOW (01) PIPELINE; (02) RAIL CAR; (02) RAIL CAR; (03) TANK TRUCK; (03) TANK TRUCK; (04) SHIP BARGE; (05) UNDERGROUND - SPLASH LOADING (05) OTHER TANK SURFACE AREA (SQ. FT) METHOD OF VAPOR RECOVERY Please choose from below (01) Incineration; (02) Refrigerated Liquid Scrubber, (03) Refrigerated Liquid Scrubber, (03) Refrigerated Condenser,
TANK TYPE PLEASE CHOOSE FROM BELOW (01) FIXED ROOF; (02) FLOATING ROOF (OR INTERNAL COVER); (03) VARIABLE VAPOR SPACE; (04) PRESSURE TANK; (05) UNDERGROUND - SPLASH LOADING (06) OTHER MANUFACTURER OF DEGREASING AGENT TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F) PLEASE CHOOSE FROM BELOW (01) PIPELINE; (02) RAIL CAR; (03) TANK TRUCK; (04) SHIP BARGE; (05) OTHER TANK SURFACE AREA (SQ. FT) METHOD OF VAPOR RECOVERY Please choose from below (01) Incineration; (02) Refrigerated Liquid Scrubber; (03) Refrigerated Condenser,
(03) YARIABLE VAPOR SPACE; (04) PRESSURE TANK; (04) SHIP BARGE; (05) UNDERGROUND - SPLASH LOADING (06) OTHER ADDITIONAL VAPOR PHASE DEGREASING DATA MANUFACTURER OF DEGREASING AGENT TANK SURFACE AREA (SQ. FT) TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F) METHOD OF VAPOR RECOVERY Please choose from below (01) Incineration; (02) Refrigerated Liquid Scrubber; (03) Refrigerated Condenser,
ADDITIONAL VAPOR PHASE DEGREASING DATA MANUFACTURER OF DEGREASING AGENT TANK (DEG. F) TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F) METHOD OF VAPOR RECOVERY Please choose from below (01) incineration; (02) Refrigerated Liquid Scrubber; (03) Refrigerated Condenser,
ADDITIONAL VAPOR PHASE DEGREASING DATA MANUFACTURER OF DEGREASING AGENT TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F) METHOD OF VAPOR RECOVERY Please choose from below (01) Incineration; (02) Refrigerated Liquid Scrubber; (03) Refrigerated Condenser,
MANUFACTURER OF DEGREASING AGENT TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F) METHOD OF VAPOR RECOVERY Please choose from below (01) Incineration; (02) Refrigerated Liquid Scrubber; (03) Refrigerated Condenser,
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F) METHOD OF VAPOR RECOVERY Please choose from below (01) Incineration; (02) Refrigerated Liquid Scrubber; (03) Refrigerated Condenser,
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F) Please choose from below (01) Incineration; (02) Refrigerated Liquid Scrubber; (03) Refrigerated Condenser;
(01) Incineration; (02) Refrigerated Liquid Scrubber; (03) Refrigerated Condenser;
(03) Refrigerated Condenser,
(04) Carbon Adsorption;
(05) Vapor Return System; (06) No Recovery System;
(07) Other
ADDITIONAL MATERIAL HANDLING DATA
NUMBER OF COMPRESSOR NUMBER OF IN-LINE
PHYSICAL STATE NUMBER OF (SEE NOTE BELOW) H PUMP SEALS ** VALVES ** VALVES
NUMBER OF SAFETY NUMBER OF NUMBER OF OPEN-ENDED NUMBER OF SAMPLING
RELIEF VALVES ** FLANGES ** LINES ** CONNECTIONS **
MATERIAL DATA
HAP DESCRIPTION HAP CAS HAP FRACTION IN NUMBER MATERIAL BY WEIGHT
Xylene 1330-20-7 1.50E-02
NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

** Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

Tier I Permit Application Renewal - Boise Terminal

2-92

SECTION 5, PART B		(Tank A207 - NWTC)					
	ERATING DATA	, , , , , , , , , , , , , , , , , , , ,					
PERCENT FUEL CONSUM	PTION PER QUARTER		OPERATING SCHEDULE				
DEC-FEB	25		HOURS/DAY	24			
MAR-MAY	25		DAYS/WEEK	7			
JUN-AUG	25		WEEKS/YEAR	52			
SEP-NOV	25						
PARAMETER PARAMETER	LUTION CONTROL EQUIPMENT						
TYPE		PRIMARY N/A		SECOND	ARY		_
TYPE CODE (FROM APP. A)]
MANUFACTURER	,						
MODEL NUMBER]
PRESSURE DROP (IN. OF V	VATER)]
WET SCRUBBER FLOW (GF	•						
BAGHOUSE AIR/CLOTH RAT	•						
	no (i rm)	L					
VENT	ILATION AND BUILDING/AREA	<u>DATA</u>	STACK DA	TA .			
ENCLOSED? (Y/N)		N/A	GROUND ELEVATION (FT)			[hua	
HOOD TYPE (FROM APP. B)			UTM X COORDINATE (KM)			N/A	
MINIMUM FLOW (ACFM)			UTM Y COORDINATE (KM)				1
PERCENT CAPTURE EFFICIE	ENCY		STACK TYPE (SEE NOTE BE	FLOW)			
BUILDING HEIGHT (FT)			STACK EXIT HEIGHT FROM				
BUILDING LENGTH (FT)			STACK EXIT DIAMETER (FT				
BUILDING WIDTH (FT)			STACK EXIT GAS FLOWRAT				
			STACK EXIT TEMPERATURE				
			THE PERMITTERS	. (DEG. F)			
POLLUTANT	CAS NUMBER	ENGCOMA.					
	J.O. HOMBER	EMISSION* FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED	ALLOWABLE	EMISSIONS	
		(SEE NOTE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
РМ	. [(LBS/NK)			
PM-10	Ī						<u></u>
SO2	Ī	:					
со	Ē				<u> </u>		
NOx	Γ			<u> </u>	<u> </u>		
voc	F		====		<u> </u>		
LEAD	Ĺ			1.7E-03	<u></u> !		
XYLENE	1330-20-7						
			1	7.7F-05	1 11		



DEQ USE ONLY			<u></u>
DEQ PLANT ID CODE	DEQ PROCESS CODE	DEQ STACK ID CODE	
DEQ BUILDING ID CODE	PRIMARY SCC	SECONDARY SCC	
DEQ SEGMENT CODE			
PART A: LOADING RACK DATA			
PROCESS CODE OR DESCRIPTION	Loading of refined petroleum produ	cts	
STACK DESCRIPTION	(See vapor destruction unit)		
BUILDING DESCRIPTION	Loading terminal - NWTC		
DATE INSTALLED OR LAST MODIFIED	3/8/1994		
TYPE OF LOADING Please choose from the following: (01) Overhead loading - splash fill, normal service; (02) Overhead loading - splash fill, balanced service; (03) Overhead loading - submerged fill, normal service; (04) Overhead loading - submerged fill, balanced service; (05) Bottom loading - normal service; (06) Bottom loading - balanced service	06	LOADING ARM VAPOR CLOSURE Please choose from the following: (01) Incineration; (02) GREENWOOD; (03) SOCO; (04) CHICKSAN; (05) None - open to air; (06) Other	04
MATERIAL LOADED	Refined petroleum		
ANNUAL THROUGHPUT (GAL.)	885,008,000	-	
REID VAPOR PRESSURE	10.0 (gasolines); NA for other fuels		
MAXIMUM MATERIAL TEMPERATURE (DEG. F)	85		
AVERAGE MATERIAL TEMPERATURE (DEG. F)	54.3		

SECTION 6, PA							
PERCENT FUE	OPERATING DATA L CONSUMPTION PER QUARTER						
DEC-FEB			OPERATING SCHE	DULE			
MAR-MAY	25		HOURS/DAY	24			
	25		DAYS/WEEK	7	÷		
JUN-AUG	25		WEEKS/YEAR	52			
SEP-NOV	25						
	POLLUTION CONTROL EQUI	PMENT					
PARAMETER		PRIMARY		SEC	CONDARY		
TYPE		Vapor destruction	n system	N//			7
TYPE CODE (FR	•	047					
MANUFACTURE		John Zink (See s	ection 4)				7
MODEL NUMBER		ZTOF					วี -
	OP (IN. OF WATER)	N/A					J ,
WET SCRUBBER	R FLOW (GPM)	N/A		<u></u>			
BAGHOUSE AIR	CLOTH RATIO (FPM)	N/A		F			
	VENTILATION AND BUILDING	ADDA NATA					
ENCLOSED? (Y/N				CK DATA			
HOOD TYPE (FR		N N	GROUND ELEVATION	N (FT)		N/A]
MINIMUM FLOW (N/A	UTM X COORDINATE	•]
PERCENT CAPTU		N/A	UTM Y COORDINATE				
BUILDING HEIGH		N/A	STACK TYPE (SEE NO				
BUILDING LENGT	•	N/A	STACK EXIT HEIGHT	FROM GROUND LEVEL (FT)			
		N/A	STACK EXIT DIAMETE	R (FT)			
BUILDING WIDTH	(=1)	N/A	STACK EXIT GAS FLO	WRATE (ACFM)			
			STACK EXIT TEMPERA	ATURE (DEG. F)			
	AIR POLLUTANT EMISSIONS						
POLLUTANT	CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALLOWARI	LE EMISSIONS	
		FACTOR * (SEE NOTE	CONTROL EFFICIENCY	MEASURED . EMISSIONS			
РМ		BELOW)		(LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM-10							
SO2							
co							
NOx			<u></u>				
VOC				1.8E+00			
LEAD							
2,2,4 TMP	540-84-1			2.8E-01			
BENZENE	71-43-2			3.6E-01			
BIPHENYL	92-52-4						
CRESOLS	1319-77-3						
CUMENE	98-82-8			1.7E-03			
ETHYLBENZENE	100-41-4			2.3E-02			
N-HEXANE	110-54-3			6.1E-01			
MTBE	1634-04-4				==		
NAPHTHALENE	91-20-3			1.7E-04			
PHENOL	108-95-2						
STYRENE	100-42-5			1.3E-03		}	
TOLUENE	108-88-3			4.0E-01	<u> </u>		
XYLENES	1330-20-7						
				1.1E-01		- 11	- 1

NOTES: STACK TYPE - 01)DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBSJUNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.
*ALL EMISSIONS FROM LOADING OPERATIONS, EXCEPT FOR TRANSMIX LOADING, ARE PRESENTED IN THE WASTE INCINERATION SECTION, UNDER THERMAL
OXIDIZER. TRANSMIX LOADING EMISSIONS ARE PRESENTED HERE. SEE EMISSIONS SOURCES SECTION FOR CALCULATIONS.

OLO HOLO HAR	s, and storage N/A		
DEQ USE ONLY			7
DEQ PLANT CODE	DEQ PROCESS CODE DEQ STA	CK ID CODE	Ì
DEQ BUILDING ID CODE	PRIMARY SCC SECOND	ARY SCC	
DEQ SEGMENT CODE]		
PART A: GENERAL INFORMATION			
PROCESS CODE OR DESCRIPTION			
STACK DESCRIPTION			
BUILDING DESCRIPTION	MATERIAL DESCRIP.		
DATE INSTALLED OR LAST MODIFIED	MATERIAL DESCRIP.		
MATERIAL TRANSFER RATES MAXIMUM HOURLY TRANSFER RATE (UNITS/HOUR)			
NORMAL HOURLY TRANSFER RATE (UNITS/HOUR)			
NORMAL ANNUAL TRANSFER RATE (UNITS/YEAR)			
UNITS OF MEASURE		·	
BELT CONVEYOR/VEHICLE TRANSFER			
DEL) GOVVETOIEVE	MAXIMI	M HOURLY AVERAGE HOURLY	
NUMBER OF TRANSFERS		M HOURLY AVERAGE HOURLY WIND SPEED (MPH)	
NUMBER OF TRANSFERS	MATERIAL MOISTONE	MITOORE.	
NUMBER OF TRANSFERS CONVEYORS ENCLOSED? (Y/N)	CONTENT (WEIGHT PERCENT) WIND SF	MITOORE.	
NUMBER OF TRANSFERS CONVEYORS ENCLOSED? (Y/N) TRANSFERS ENCLOSED? (Y/N)	CONTENT (WEIGHT PERCENT) WIND SF CONVEYORS IN BUILDINGS? (V/N)	MITOORE.	
NUMBER OF TRANSFERS CONVEYORS ENCLOSED? (Y/N) TRANSFERS ENCLOSED? (Y/N) PNEUMATIC CONVEYOR TRANSFERS	CONTENT (WEIGHT PERCENT) WIND SF CONVEYORS IN BUILDINGS? (Y/N) TRANSFERS IN BUILDINGS? (Y/N)	MITOORE.	
NUMBER OF TRANSFERS CONVEYORS ENCLOSED? (Y/N) TRANSFERS ENCLOSED? (Y/N) PNEUMATIC CONVEYOR TRANSFERS MATERIAL MOISTURE CONTENT (WEIGHT PERCENT	CONTENT (WEIGHT PERCENT) WIND SF CONVEYORS IN BUILDINGS? (Y/N) TRANSFERS IN BUILDINGS? (Y/N)	PEED (MPH) WIND SPEED (MPH)	
NUMBER OF TRANSFERS CONVEYORS ENCLOSED? (Y/N) TRANSFERS ENCLOSED? (Y/N) PNEUMATIC CONVEYOR TRANSFERS MATERIAL MOISTURE CONTENT (WEIGHT PERCENT) PRIMARY SEPARATOR TYPE	CONTENT (WEIGHT PERCENT) WIND SF CONVEYORS IN BUILDINGS? (Y/N) TRANSFERS IN BUILDINGS? (Y/N) PRIMARY SEPARATOR PERCENT E	EFFICIENCY WIND SPEED (MPH)	
NUMBER OF TRANSFERS CONVEYORS ENCLOSED? (Y/N) TRANSFERS ENCLOSED? (Y/N) PNEUMATIC CONVEYOR TRANSFERS MATERIAL MOISTURE CONTENT (WEIGHT PERCENT	CONTENT (WEIGHT PERCENT) WIND SF CONVEYORS IN BUILDINGS? (Y/N) TRANSFERS IN BUILDINGS? (Y/N)	EFFICIENCY WIND SPEED (MPH)	
NUMBER OF TRANSFERS CONVEYORS ENCLOSED? (Y/N) TRANSFERS ENCLOSED? (Y/N) PNEUMATIC CONVEYOR TRANSFERS MATERIAL MOISTURE CONTENT (WEIGHT PERCENT) PRIMARY SEPARATOR TYPE	CONTENT (WEIGHT PERCENT) WIND SF CONVEYORS IN BUILDINGS? (Y/N) TRANSFERS IN BUILDINGS? (Y/N) PRIMARY SEPARATOR PERCENT E SECONDARY SEPARATOR PERCENT	PEED (MPH) WIND SPEED (MPH) EFFICIENCY NT EFFICIENCY	
NUMBER OF TRANSFERS CONVEYORS ENCLOSED? (Y/N) TRANSFERS ENCLOSED? (Y/N) PNEUMATIC CONVEYOR TRANSFERS MATERIAL MOISTURE CONTENT (WEIGHT PERCENT) PRIMARY SEPARATOR TYPE SECONDARY SEPARATOR TYPE	CONTENT (WEIGHT PERCENT) WIND SF CONVEYORS IN BUILDINGS? (Y/N) TRANSFERS IN BUILDINGS? (Y/N) PRIMARY SEPARATOR PERCENT E	PEED (MPH) WIND SPEED (MPH) EFFICIENCY NT EFFICIENCY PILE LENGHT (FT)	
NUMBER OF TRANSFERS CONVEYORS ENCLOSED? (Y/N) TRANSFERS ENCLOSED? (Y/N) PNEUMATIC CONVEYOR TRANSFERS MATERIAL MOISTURE CONTENT (WEIGHT PERCENT) PRIMARY SEPARATOR TYPE SECONDARY SEPARATOR TYPE MATERIAL STORAGE DATA	CONTENT (WEIGHT PERCENT) WIND SF CONVEYORS IN BUILDINGS? (Y/N) TRANSFERS IN BUILDINGS? (Y/N) PRIMARY SEPARATOR PERCENT E SECONDARY SEPARATOR PERCENT	PEED (MPH) WIND SPEED (MPH) EFFICIENCY NT EFFICIENCY PILE LENGHT (FT) PILE WIDTH (FT)	
NUMBER OF TRANSFERS CONVEYORS ENCLOSED? (Y/N) TRANSFERS ENCLOSED? (Y/N) PNEUMATIC CONVEYOR TRANSFERS MATERIAL MOISTURE CONTENT (WEIGHT PERCENT) PRIMARY SEPARATOR TYPE SECONDARY SEPARATOR TYPE MATERIAL STORAGE DATA PILE? (Y/N)	CONTENT (WEIGHT PERCENT) WIND SF CONVEYORS IN BUILDINGS? (Y/N) TRANSFERS IN BUILDINGS? (Y/N) PRIMARY SEPARATOR PERCENT E SECONDARY SEPARATOR PERCENT STORAGE CAPACITY	PEED (MPH) WIND SPEED (MPH) EFFICIENCY NT EFFICIENCY PILE LENGHT (FT)	(
NUMBER OF TRANSFERS CONVEYORS ENCLOSED? (Y/N) TRANSFERS ENCLOSED? (Y/N) PNEUMATIC CONVEYOR TRANSFERS MATERIAL MOISTURE CONTENT (WEIGHT PERCENT) PRIMARY SEPARATOR TYPE SECONDARY SEPARATOR TYPE MATERIAL STORAGE DATA PILE? (Y/N) SILO? (Y/N) OTHER STORAGE TYPE DESCRIPTION	CONTENT (WEIGHT PERCENT) WIND SF CONVEYORS IN BUILDINGS? (Y/N) TRANSFERS IN BUILDINGS? (Y/N) PRIMARY SEPARATOR PERCENT E SECONDARY SEPARATOR PERCENT STORAGE CAPACITY	PEED (MPH) WIND SPEED (MPH) PEFFICIENCY NT EFFICIENCY PILE LENGHT (FT) PILE WIDTH (FT) PILE HEIGHT (FT)	
NUMBER OF TRANSFERS CONVEYORS ENCLOSED? (Y/N) TRANSFERS ENCLOSED? (Y/N) PNEUMATIC CONVEYOR TRANSFERS MATERIAL MOISTURE CONTENT (WEIGHT PERCENT) PRIMARY SEPARATOR TYPE SECONDARY SEPARATOR TYPE MATERIAL STORAGE DATA PILE? (Y/N) SILO? (Y/N)	CONTENT (WEIGHT PERCENT) WIND SF CONVEYORS IN BUILDINGS? (Y/N) TRANSFERS IN BUILDINGS? (Y/N) PRIMARY SEPARATOR PERCENT E SECONDARY SEPARATOR PERCENT STORAGE CAPACITY	PEED (MPH) WIND SPEED (MPH) EFFICIENCY NT EFFICIENCY PILE LENGHT (FT) PILE WIDTH (FT)	{

GEOTION 1, FART B	N/A			
OPERATING DATA PERCENT FUEL CONSUMPTION PER QUARTER	OF	PERATING SCHEDULE		
DEC-FEB				
MAR-MAY		YSWEEK		
JUN-AUG		EKS/YEAR		
SEP-NOV	***	·	J	
POLITICAL COMPANY				
POLLUTION CONTROL EQUIPME PARAMETER	<u>NT</u> PRIMARY		0500000000	
TYPE		`	SECONDARY	
TYPE CODE (FROM APP. A)		_		
MANUFACTURER				
MODEL NUMBER				
PRESSURE DROP (IN. OF WATER)				
WET SCRUBBER FLOW (GPM)				
BAGHOUSE AIR/CLOTH RATIO (FPM)				
VENTILATION AND BUILDING/ARE	A DATA			
ENCLOSED? (Y/N)		UND ELEVATION (FT)		
HOOD TYPE (FROM APP. B)		X COORDINATE (KM)		
MINIMUM FLOW (ACFM)		Y COORDINATE (KM)		
PERCENT CAPTURE EFFICIENCY	·····	CK TYPE (SEE NOTE BELOW)		
BUILDING HEIGHT (FT)		K EXIT HEIGHT FROM GROUND LE	EVEL (FT)	
BUILDING LENGHT (FT)		K EXIT DIAMETER (FT)	,	
BUILDING WIDTH (FT)		K EXIT GAS FLOWRATE (ACFM)		
		K EXIT TEMPERATURE (DEG. F)		
AIR POLLUTANT EMISSIONS			•	
POLLUTANT CAS NUMBER		CENT ESTIMATED OR	ALLOWABLE	: FMISSIONS
	(SEE NOTE EFFIC	TROL MEASURED JENCY EMISSIONS	(LBS/HR)	
РМ Г	BELOW)	(LBS/HR)	(EBG/III)	(TONS/YR) REFERENCE
PM-10				
so ₂				
co r				
NOx -		=		
voc -				
LEAD _				
		= ==		
		= ==		
		= ==	<u> </u>	== ==
NOTES: STACK TYPE - 01) DOWNWARD: 02) VER			L	
NOTES: STACK TYPE - 01) DOWNWARD; 02) VER EMISSION FACTOR - IN LBS/UNITS. PLEA	TICAL (UNCOVERED); 03) VERT	ICAL (COVERED); 04) HORIZONTAL	L; 05) FUGITIVE	
	= === GIMETIONET GNITS	STATEM IN FUEL DATA SECTION.		

SECTION 8: FUGITIVE ROAD DUST SOURCES

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID COD	E	
DEQ BUILDING ID CODE		PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE						
PART A: GENERAL INF	ORMATION			7		
ROAD DESCRIPTION	Paved portion of lot		PAVED (Y/N) Y	→	000PF	MATER
LENGTH (FT) X WIDTH (FT)	200 x 20	PORTION 1	BEGINNING CC	UIM-Y (KM)	UIM-X (KM)	UIM-Y (KM) 4828.4
LENGTH (FT) X WIDTH (FT)	70 x 315	PORTION 2	560.3	4828.2	560.7	4020.41
DATA FOR AL	L ROADS - PAVED AND UNPAVED					
VEHICLE DESCRIPTION		NUMBER OF ROUNDTRIPS PER DAY	VEHICLE MILES TRAVELED PER DAY	NUMBER OF DAYS PER YEAR USED	AVERAGE VEHICLE SHEED (MPH)	SURFACE SILT CONTENT (% WEIGHT)
Tank trucks			40	365	10	10.0 g/m^2
Tank tracks						
	AND INDAVED				DATA: UNPAVED RO	ADS
	LL ROADS - PAVED AND UNPAVED	VEHICLE	VEHICLE		NUMBER OF WHEELS	NUMBER OF DAYS >0.01 INCHES
VEHICLE DESCRIPTION		EMPTY WEIGHT (TONS)	FULL WEIGHT (TONS)		PER VEHICLE	PRECIPITATION
Tank trucks		15	50			
DATA: PAVE	D ROADS					
NUMBER OF	INDUSTRIAL	DUST LOADING				
LANES	AUGMENTATION FACTOR	(LB/MILE)				
N/A						
ROAD DUST	CHEMICALS					
HAP DESCRIPTION			HAP CAS NUMBER		HAP FRACTION IN ROAD DUST BY WEIGHT	
					<u> </u>	

SECTION 8, PA	RT B	(Paved roads)				
	OPERATING DATA					
PERCENT FUEL	CONSUMPTION PER QUARTER		OPERATING SCHEDULE			
DEC-FEB			HOURS/DAY	24		
MAR-MAY			DAYS/WEEK	7		
JUN-AUG			WEEKS/YEAR	52		
SEP-NOV			WEDGI LAN	32		
	FUGITIVE DUST CONTROL DATA		·			
PARAMETER		PRIMARY		SECONDARY	·	
CONTROL DESC		Road paved				
CONTROL CODI	E (APPENDIX A)					
MINIMUM DAILY	APPLICATIONS OF CONTROL				Ī	
MAXIMUM DAILY	APPLICATIONS OF CONTROL				ī	
AVERAGE ANNU	IAL APPLICATIONS OF CONTROL				วี	
AMOUNT APPLIE	ED (UNITS/APPLICATION)			<u> </u>]	
UNITS FOR APPI	LICATION AMOUNT				֝֝֝֡֟֝֝	
	AIR POLLUTANT EMISSIONS					
POLLUTANT	CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALL CHARLE STREET	_
		FACTOR *	CONTROL	MEASURED	ALLOWABLE EMISSION	5
		(SEE NOTE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR) (TONS/	(R) REFERENCE
РМ	•			(<u>-</u>		
PM-10		0.016		3.7		=
LEAD				<u> </u>		_
						_
					<u> </u>	
				24		
<u></u>						7
NOTE:	IN LBS/UNIT. USE UNITS OF VEHICLE N	III EO TOMES ES ANCE				
	" LDG GHIT. USE UNITS OF VEHICLE N	IILES IKAVELLED (VMT).				

SECTION 8: FUGITIVE ROAD DUST SOURCES

DEQ USE ONLY						
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE		
DEQ BUILDING ID CODE		PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE						
PART A: GENERAL INF	ORMATION		,	_		
ROAD DESCRIPTION	Unpaved portion of lot		PAVED (Y/N) N	_j		
LENGTH (FT) X WIDTH (FT)	692	PORTION 1	BEGINNING CO	UIM-Y (KM)	END COORD	UIM-Y (KM)
LENGTH (FT) X WIDTH (FT)	20	PORTION 2	560.3	4828.2	560.7	4828.4
DATA FOR AL	L ROADS - PAVED AND UNPAVED					
VEHICLE DESCRIPTION		NUMBER OF ROUNDTRIPS PER DAY	VEHICLE MILES TRAVELED PER DAY	NUMBER OF DAYS PER YEAR USED	AVERAGE VEHICLE SHEED (MPH)	SURFACE SILT CONTENT (% WEIGHT)
Operations and maintena	nce vehicles	Varies	1,000	365	15	16.75
					DATA: UNPAVED ROA	NDS
	LL ROADS - PAVED AND UNPAVED	VEHICLE	VEHICLE 0.4	1	NUMBER OF WHEELS	NUMBER OF DAYS
VEHICLE DESCRIPTION		EMPTY WEIGHT (TONS)	FULL WEIGHT (TONS)		PER VEHICLE	>0.01 INCHES PRECIPITATION
Operations and maintena	ance vehicles	10	10		6	90
DATA: PAVE	<u>D ROADS</u> INDUSTRIAL	DUST LOADING				
NUMBER OF LANES	AUGMENTATION FACTOR	(LB/MILE)	•			
N/A						
N/A			•			
ROAD DUST	CHEMICALS				HAP FRACTION IN ROAD	
HAP DESCRIPTION			HAP CAS NUMBER		DUST BY WEIGHT	
			L			

SECTION 8, PART	r.B	(Unpaved roads)					
	OPERATING DATA						
PERCENT FUEL C	CONSUMPTION PER QUARTER		OPERATING SCHEDULE				
DEC-FEB			HOURS/DAY	24			
MAR-MAY			DAYS/WEEK	7			
JUN-AUG			WEEKS/YEAR	52			
SEP-NOV							
	FUGITIVE DUST CONTROL DATA						
PARAMETER		PRIMARY		SECONDAF	ry		
CONTROL DESCR	IPTION	Reduced speed					Ì
CONTROL CODE (APPENDIX A)						J
MINIMUM DAILY AF	PLICATIONS OF CONTROL						
MAXIMUM DAILY A	PPLICATIONS OF CONTROL				f		
AVERAGE ANNUAL	APPLICATIONS OF CONTROL				=		
AMOUNT APPLIED	(UNITS/APPLICATION)				╡		
UNITS FOR APPLIC	CATION AMOUNT				=		
	AIR POLLUTANT EMISSIONS						
POLLUTANT	CAS NUMBER	EMISSION	PERCENT	ESTIMATED OR	ALLOWARIE	EMISSIONS	
		FACTOR * (SEE NOTE	CONTROL EFFICIENCY	MEASURED		- LINISSIONS	
		BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10		See AP-42		0.4			
LEAD				0.41			
	<u></u>						<u></u>
		<u> </u>			L		L

IN LBS/UNIT. USE UNITS OF VEHICLE MILES TRAVELLED (VMT).

NOTE:

SECTION 3

Emission Source Descriptions

Emission sources at the Boise Terminal can be attributed to Chevron Pipe Line Company, Northwest Terminalling Company, or both. This section is separated into three subsections. All emission sources associated solely with CPL are presented first, followed by all emission sources associated with NWTC. Those emission sources that are more general and could apply to either company are in the third subsection.

CPL emission sources include a vapor extraction system, ten aboveground fixed roof tanks, ten external floating roof tanks, and fugitive emissions from valves, flanges, compressor seals, etc., associated with all those sources and the pipeline.

Emission sources at NWTC include the vapor destruction system for the truck loading rack, thirteen fixed roof storage tanks of which seven are additive tanks, seven floating roof tanks, the truck loading rack, and the fugitive emissions associated with each source.

Emission sources attributed to the terminal as a whole include fugitive dust from paved and unpaved roads, repair and maintenance activities, and heat sources. Insignificant activities also are identified in this section.

Chevron Pipe Line Boise Terminal

Vapor Extraction System

In 1990, as part of a voluntary remediation project, a vapor extraction system (VES) was installed at CPL to remove hydrocarbons from under the plant site. The VES has two blowers that can deliver up to 1,000 scfm of hydrocarbon contaminated air to the intake of a vapor incinerator for flaring. Flaring is a high temperature oxidation process used to burn combustible components of waste gases. The incinerator is supplemented with natural gas and/or ambient air as needed, in order to regulate the operating temperature and achieve optimal operating efficiency.

Fixed Roof Storage Tanks

There are ten above ground fixed roof storage tanks at CPL that contain refined petroleum products and/or contaminated water. These tanks range in size from 1,000 barrels (bbls) to 65,774 bbls (one barrel equals 42 U.S. gallons) working capacity. All the tanks are <u>vertical</u> and contain jet fuel, diesel fuel, transmix, or contaminated water.

Floating Roof Storage Tanks

There are ten above ground floating roof storage tanks at CPL that contain refined petroleum products. These tanks range in size from 13,208 bbls to 60,986 bbls working capacity. All the tanks are vertical and contain either gasoline or diesel fuel. Tanks 164, 203, 204, 205, 206, and 207 are swing tanks and may contain gasoline, diesel, or jet fuel depending on need.

Fugitive Emissions

Fugitive emission sources at marketing terminals and pipeline facilities are generally defined as VOC emission sources not associated with a specific process, but scattered throughout the facility. These sources include storage tanks, valves of all types, flanges, pump and compressor seals, and "others". Fugitive VOC emissions are attributable to the evaporation of petroleum liquids and gases. Fugitive emissions from storage tanks are addressed in the storage tanks calculations. Other fugitive emission sources are addressed here.

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Truck Loading Rack

Generally, loading losses are the primary source of evaporative emissions from tank truck operations. The losses occur as organic vapors in "empty" cargo tanks are displaced to the atmosphere by the liquid being loaded into the tanks. The truck loading rack at NWTC is a bottom loading rack with a vapor containment and destruction system.

Truck Rack Vapor Destruction System

Vapors from the truck loading rack are captured via the vapor containment system and sent to the vapor destruction unit for incineration. The incinerator is supplemented with natural gas and/or ambient air as needed.

Fixed Roof Storage Tanks

There are 13 above ground fixed roof storage tanks at NWTC that contain refined petroleum products, fuel additives and/or contaminated water. These tanks range in size from 71 bbls to 17,230 bbls working capacity. Nine of the tanks are vertical and contain jet fuel, diesel fuel, transmix, or fuel additives. Four tanks are horizontal and these contain fuel additives.

Floating Roof Storage Tanks

There are seven above ground floating roof storage tanks at NWTC that contain refined petroleum products. These tanks range in size from 7,694 bbls to 22,046 bbls working capacity. All the tanks are vertical and contain various grades of gasoline, diesel, or jet fuel.

Fugitive Emissions

Fugitive emission sources at a bulk marketing terminal are generally defined as VOC emission sources not associated with a specific process, but scattered throughout the facility. These sources include storage tanks, valves, flanges, pump and compressor seals, and "others". Fugitive VOC emissions are attributable to the evaporation of petroleum liquids and gases. Fugitive emissions from storage tanks are addressed in the storage tanks calculations. Other fugitive emission sources are addressed here.

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Paved Roads

When vehicles travel on paved roads, particulate emissions occur. These particulate emissions originate from the loose materials on the surface of the roads. The quantity of dust emissions from a given segment of paved road varies linearly with the volume of traffic. Most vehicles traveling on the paved roads are tank trucks en-route to or from the loading rack.

Unpaved Roads

Dust emissions from vehicles traveling on unpaved, gravel, or dirt roads are caused when particles are lifted and dropped from rolling wheels, strong air currents in turbulent shear with the road surface, and the turbulent wake behind the vehicle. Most vehicles traveling on unpaved roads around the storage tanks are maintenance trucks.

Maintenance and Repair Activities

Uncontrollable VOC emissions from maintenance and repair activities are hard to estimate because of the variability in the frequency and types of units being repaired or maintained and the lack of information on how to estimate emissions from these sources. These activities include, but are not limited to, such operations as tank cleaning and pump repair. Emissions from these sources are estimated using a conservative approximation. We have assumed emissions from repair and maintenance activities equal an additional two percent of the total facility emissions.

Furnaces and Water Heaters

The Idaho State regulations, IDAPA 58.01.01.317.01.b.i.(18), identify space heaters and water heaters using natural gas and generating less than 5 million BTU/hr as insignificant emission sources for the purposes of the operating permit program. However, IDAPA 58.01.01.317.01 states that, if a source is subject to any applicable requirement, it cannot qualify as an insignificant emission unit or activity. Since IDAPA 58.01.01.677 is a federally enforceable state regulation that limits particulate matter emissions from minor sources of fuel burning equipment, emissions of particulate matter from heat sources must be considered significant for this Tier I operating permit application.

There are four furnaces and two small heaters at the Boise terminal supplying space heating to the various buildings on site. All the furnaces and the hot water heater run on natural gas and have a heating capacity of 125,000 BTU/hr or less.

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Insignificant Activities

Categorically Exempt Emission Units

The Idaho State regulations, IDAPA 58.01.01.317, identify activities that are considered insignificant for the purposes of the operating permit program. Section 317.01.a.i. lists all activities and units that are categorically exempt from the program.

Activities or units at the Boise terminal that fall under the categorical exemption are listed below.

Activity or Emission Unit	1 Categorical Exemption	1 Explanation
Storage of pressurized gases	Section 317.01.a.i.(5)	Routine storage of pressurized gases while not in use
Internal combustion engines	Section 317.01.a.i.(10)	Routine emissions from vehicles in parking lot
Barbecues	Section 317.01.a.i.(11)	Occasional use of barbecue while entertaining employees and/or customers
Brazing, soldering, welding and cutting	Section 317.01.a.i.(12)	Routine operational and maintenance activities
Plastic pipe welding	Section 317.01.a.i.(26)	Occasional need for installation or upgrade of plastic piping
Site upkeep and maintenance	Section 317.01.a.i.(28)	Routine housekeeping, janitorial activities, cleaning and preservation of equipment, painting of structures and equipment, retarring roofs, applying insulation to buildings, lawn, landscaping and grounds keeping activities
Maintenance of paved driving and parking areas	Section 317.01.a.i.(30)	Routine maintenance of paved areas
Steam cleaning	Section 317.01.a.i.(34)	Routine cleaning of parts and equipment
General vehicle maintenance	Section 317.01.a.i.(40)	Routine maintenance of company vehicles
Air cooling systems	Section 317.01.a.i.(41)	Routine cooling of indoor air
Air vents for bathroom facilities	Section 317.01.a.i.(43)	Standard venting systems
Office activities	Section 317.01.a.i.(44)	Routine office activities
Lab analysis and testing	Section 317.01.a.i.(45)	Routine fuels analysis
Fire suppression	Section 317.01.a.i.(46)	Possible use of fire suppression and other similar equipment

Activity of Emission	Categorical Exemption	Explanation	
RCRA waste storage	Section 317.01.a.i.(48)	Routine storage of RCRA regulated wastes	
areas Metal work	Section 317.01.a.i.(49)	Routine cutting, grinding, blasting, buffing of pipe	
Construction activities	Section 317.01.ai.i(53)	Occasional construction activities at the site	
Lab analysis and testing	Section 317.01.a.i.(63)	Product samples are collected for product quality purposes. They are either sent to a lab or stored in a cabinet for a month. Stored samples are analyzed only if there is a problem reported with the product, otherwise, they are discharged to the oil/water separator.	
Repair and Maintenance Shop activities	Section 317.01.a.i.(64)	Some repair and maintenance of equipment takes place within the facility shop	
Hydro testing equipment	Section 317.01.a.i.(66)	Hydro testing of piping and tanks	
Solid waste	Section 317.01.a.i.(69)	Routine generation of solid wastes	
Safety release valves	Section 317.01.a.i.(77)	Safety release valves on terminal pipeline and facility piping are considered insignificant (however, they were counted as part of the valve fugitive emissions).	
Sludge handling	Section 317.01.a.i.(100)	Sludge generated during pigging operations and tank cleanings	
Pond dredging	Section 317.01.a.i.(102)	Potential exists to clean the on-site evaporation pond	
Non-PCB containing electrical equipment	Section 317.01.a.i.(104)	Some transformers and other equipment contains non-PCB oil	

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Insignificant Activities

Emission Units Exempt Based on Size or Production Rate

The Idaho State regulations, IDAPA 58.01.01.317, identify activities that are considered insignificant for the purposes of the operating permit program. Section 317.01.b.i. lists all units and activities defined as insignificant on the basis of size or production rate.

Welding activities that do not generate HAPs or HAP precursors are considered insignificant activities for the purposes of the operating permits program (IDAPA 317.01.a.i.(12)). In addition, any welding sources using less than one ton per day of welding rod are also considered insignificant (IDAPA 317.01.b.i.(9)).

The majority of welding is performed in the maintenance shop or outside. The shop is adjacent to the main building. Emissions are uncontrolled. Based on the total amount of welding rod used at the Boise terminal each year, emissions from welding activities are insignificant.

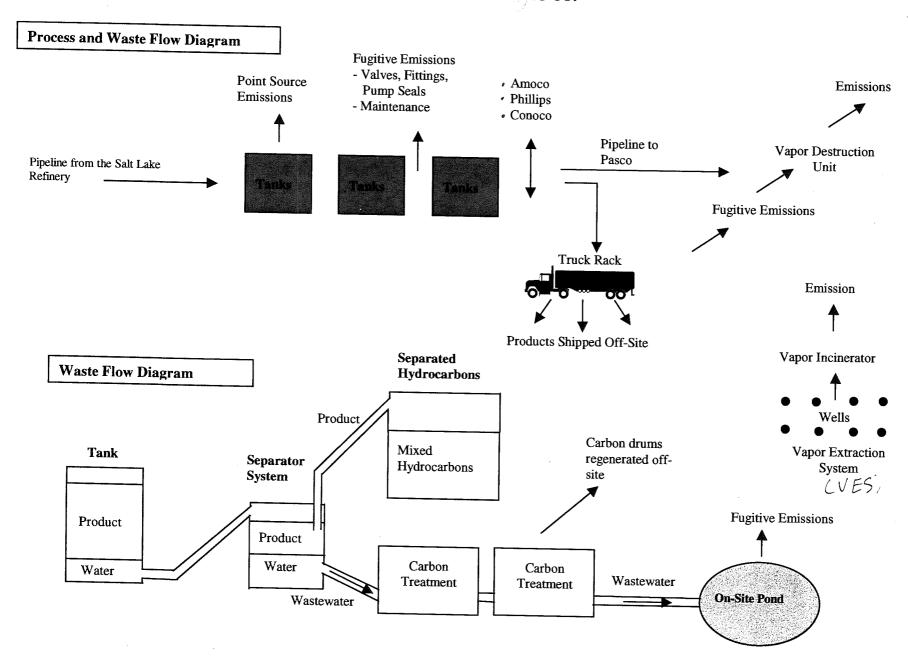
Station Type	Designation	Facility		Allowable Limit
Welding	Insignificant	CPL	(tons/day)	(tons/day).
Welding	Insignificant	NWTC	0.4	1

IDAPA 317.01.b.i.(18) says that space and water heaters that use natural gas, propane or kerosene and generate less than 5,000,000 Btu/hr are considered insignificant.

Station Type	Designation	Facility "	
Water heater	Insignificant	NWTC/CPL	
Space heater	Insignificant	NWTC/CPL	

SECTION 4

Process Flow Diagram



SECTION 5

Plot Plan